

*Application No. 10/767667*  
*Page 14*

*Amendment*  
*Attorney Docket No. H01.2B-11459-US01*

**Amendments To The Drawings:**

The attached sheet of drawings includes changes to Fig. 1. This sheet, which includes Fig. 1-3, replaces the original sheet including Fig. 1-3. In Figure 1, shielding 104, collimator 102 and edge detectors 106 have been added. These changes merely conform the drawings to the specification and claims as filed. No new matter is being added.

Attachment: Replacement Sheet Annotated Sheet Showing Changes

*Application No. 10/767667  
Page 15*

*Amendment  
Attorney Docket No. H01.2B-11459-US01*

#### **Remarks**

This Amendment is in response to the Office Action dated May 2, 2005. In this office action, the Examiner objected to the drawings; objected to the claims 9 and 14; rejected claims 1-23 under §112; rejected claims 12, 14-15 as being obvious over Roller US 3796874; rejected claims 1 and 5 as obvious over Inoue US 4129778 in view of Barnett US 3210545, and rejected claims 4, 15 and 19 as being unpatentable over Inoue, as applied above, further in view of Ong US 5195117. Claims 2-3, 6-11, 13, 16-18 and 20-22 were indicated as being allowable, if rewritten to overcome the §112 rejections and to include all limitations of the base claim and any intervening claims.

In response to the office action, applicant has amended Figure 1 and made extensive claim amendments to fix §112 problems and place the claims into condition for allowance.

#### **Objections to the Drawings**

A proposed replacement Figure 1 has been attached to this amendment, in which shielding, a collimator and the separate edge detectors have been added to the drawings. This is believed to overcome the objections to the drawings, and no new matter was added. These drawings amendments merely conform the drawings to the specification and claims as filed.

#### **Objections To Claims 9 and 14**

Claim 9 was reviewed and does not appear to contain "und". Claim 16 had this typo, and it was fixed in our amendments.

Claim 14 was reviewed and did not appear to contain the phrase "and means", so the comma was not added.

#### **§112 Rejections To Claims 1-23**

*Application No. 10/767667  
Page 16*

*Amendment  
Attorney Docket No. H01.2B-11459-US01*

The claims have been extensively amended in order to deal with various antecedent basis problems, as well as to more clearly place the method steps into common US claim format. It is believed that the amendments overcome the §112 rejections to claims 1-23.

#### **§103 Rejections**

The claims have been amended to bring them into conformity (except for minor grammatical and claim style differences) with the pending German claims. Several references were raised by the German patent office, and these claim amendments take these references into account. The references are being submitted in an information disclosure statement, under separate cover.

The claim amendments are also believed to overcome the existing §103 rejections. None of the references applied use secondary radiation (the radiation 40 of Figure 1), to analyze the cross-sectional geometry of cables. The only known methods utilizing x-ray radiation produce primitive x-ray shadow images, which cannot be utilized with the claimed flat cables – only with cylindrical cables.

*Application No. 10/767667*

*Page 17*

*Amendment*  
*Attorney Docket No. H01.2B-11459-US01*

Claims 6 and 20 have been cancelled, and new claims 24-25 have been added.

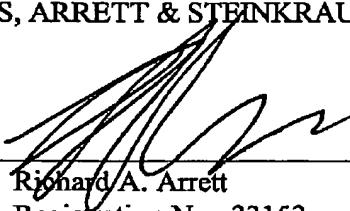
Claims 1-5, 7-19 and 21-25 are now believed to be in condition for allowance.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: August 31 2005

By:

  
Richard A. Arnett  
Registration No.: 33153

6109 Blue Circle Drive, Suite 2000  
Minnetonka, MN 55343-9185  
Telephone: (952) 563-3000  
Facsimile: (952) 563-3001

f:\wpwork\raa\11459us01\_amd\_20050802.doc